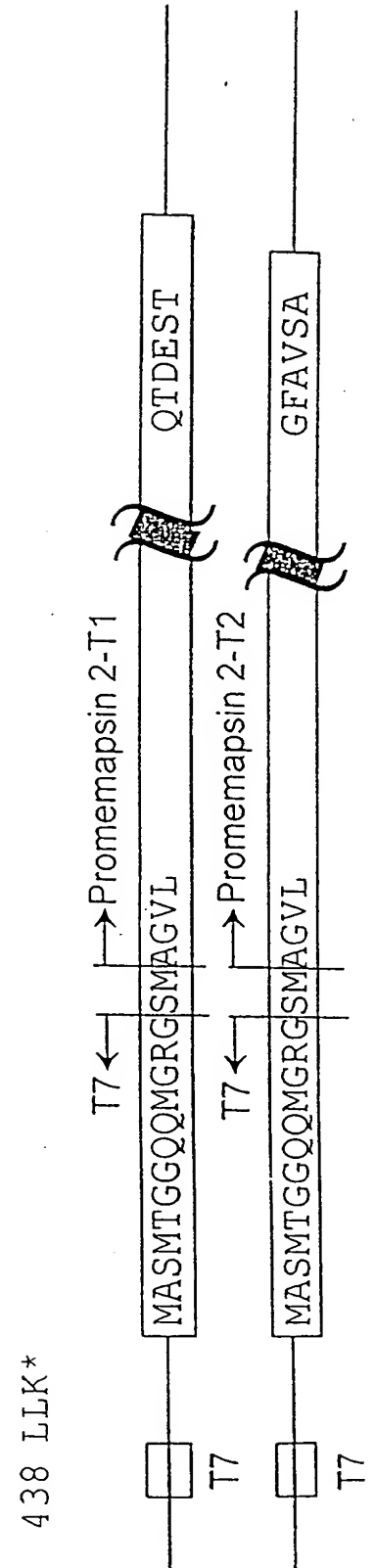


FIG. 1

1v MASMTGGQQM GRGSMAGVLP AHGTQHGIRL PLRSGLGAP LGLRLPRETD
36p EEPEEPGRRG SFVEMVDNLR GKSGQGYVE MTVGSPPTL NILVDTGSSN
38 FAVGAAPHPF LHRYYQRQLS STYRDLRKG VVPYTQGWKWE GELGTDLVSI
88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDDSLEPFF
138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGGSMIIG GIDHSLYTGS
188 LWYTPIRREW YYEVIIVRVE INGQDLKMD CKEYNYDKSIV DSGTTLRLP
238 KKVFEAAVKS IKAASSTEF PDGFWLGEQL VCWQAGTTPW NIFPVISLYL
288 MGEVTNQSR ITILPQQYLR PVEDVATSQD DCYKFAISQS STGTVMGAVI
338 MEGFYVVFDR ARKRIGFAVS ACHVHDEFRT AAVEGPFVTL DMEDCGYNIP
388 QTDESTLMTI AYVMAAICAL FMLPLCLMVC QWRCLRLRQ QHDDFADDIS
438 LLK*



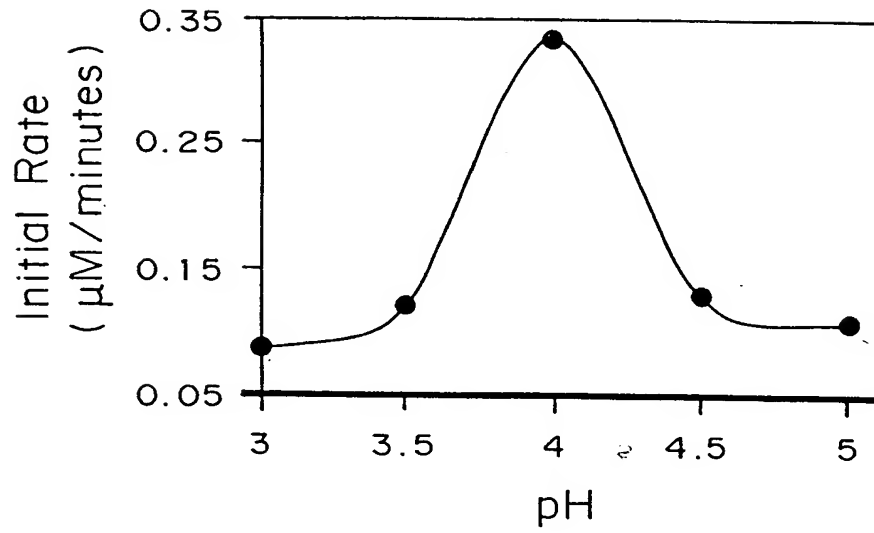


FIG. 2A

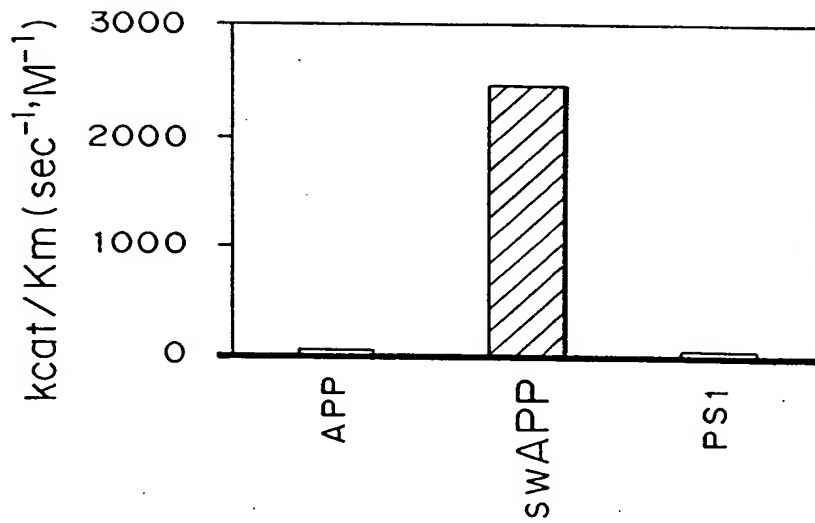
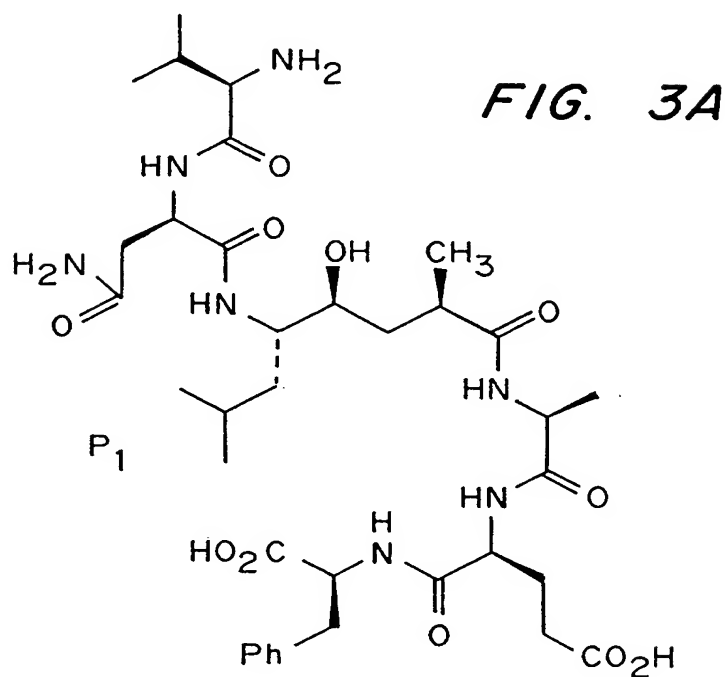
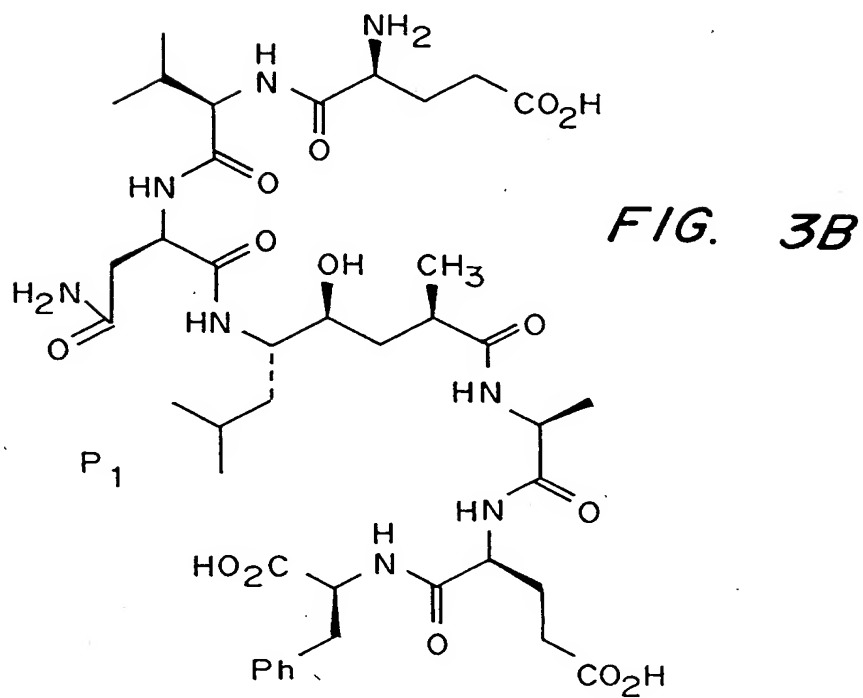


FIG. 2B

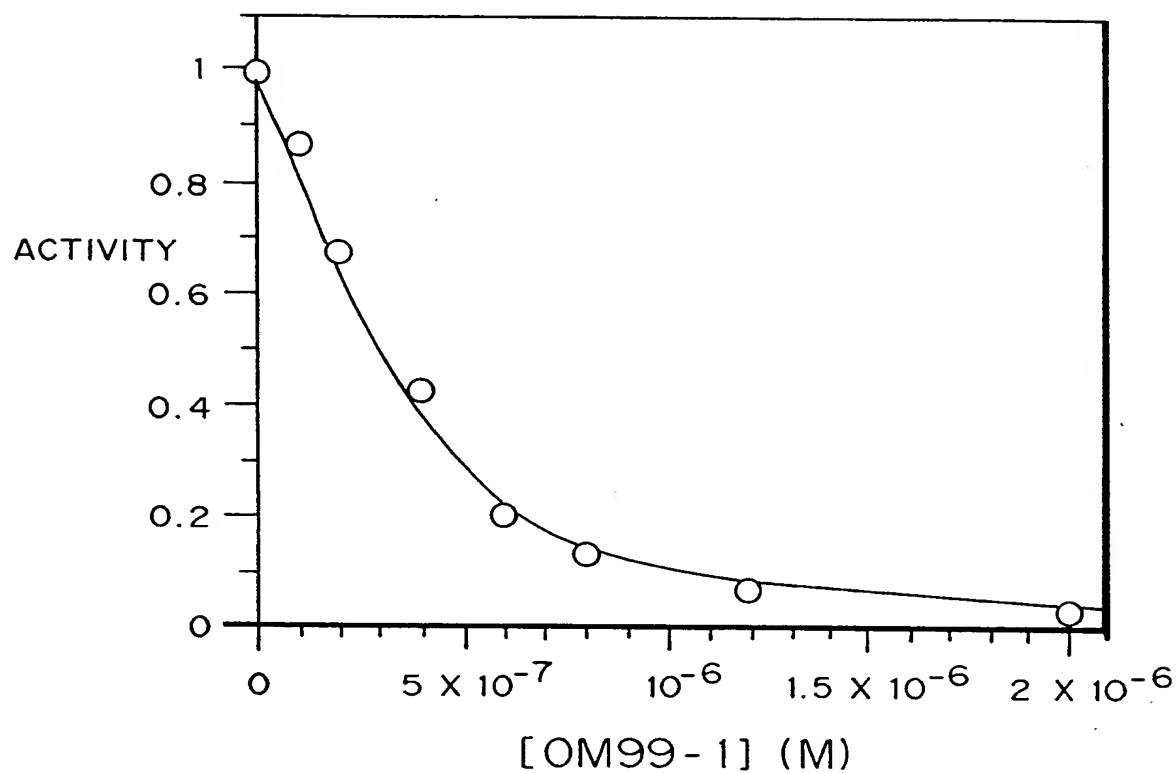


OM99-1



OM99-2

FIG. 4A



[Mep2] = 0.47 μ M

[Fluo. Substrate] = 29.9 μ M

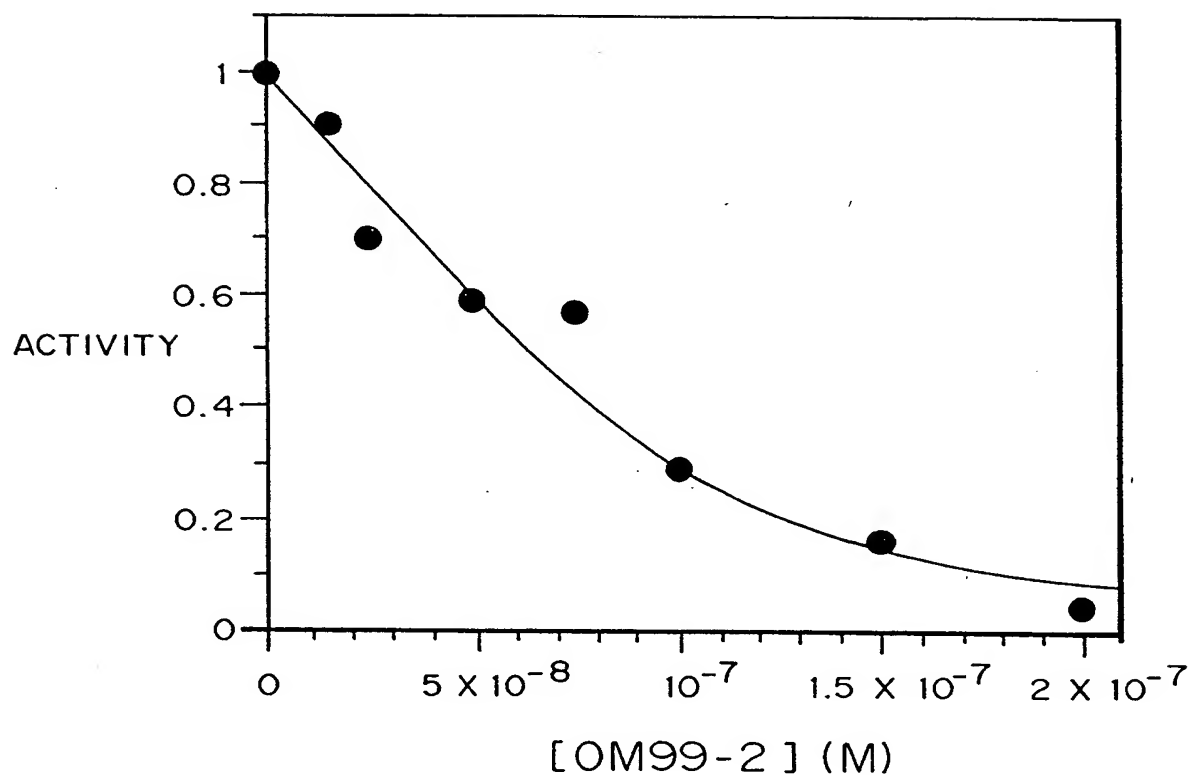
Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

Excitation at 350 nm

Emission at 490 nm

Parameter	Value	Std. Error
Ki	6.84e - 8	2.72e - 9

FIG. 4B



$[E]_0 = 0.11 \mu\text{M}$

$[\text{Fluo Substrate}] = 29.9 \mu\text{M}$

Parameter	Value	Std. Error
Ki	9.58e-9	2.86e-10

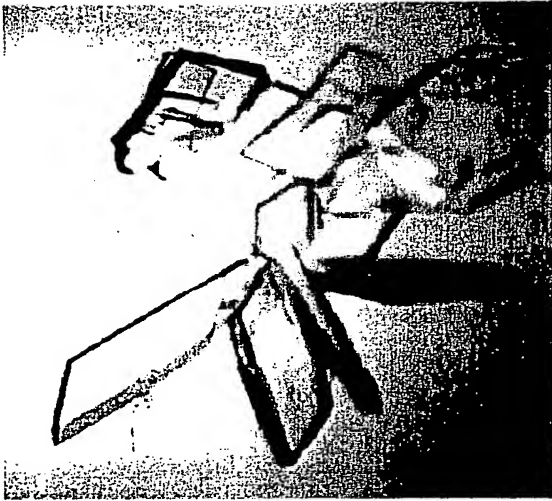


FIG. 5C

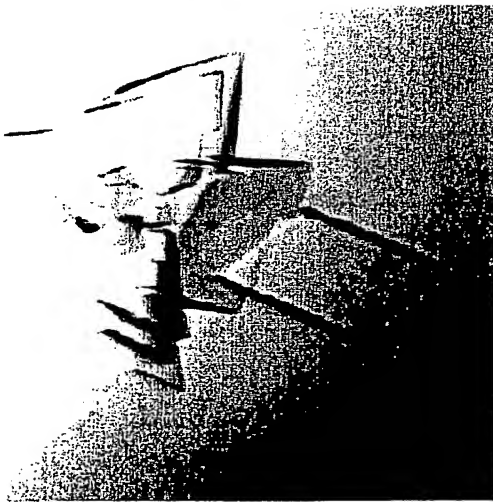


FIG. 5B



FIG. 5A

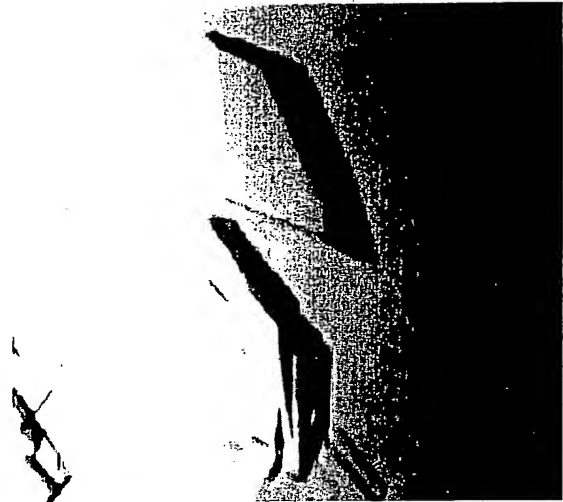


FIG. 5D

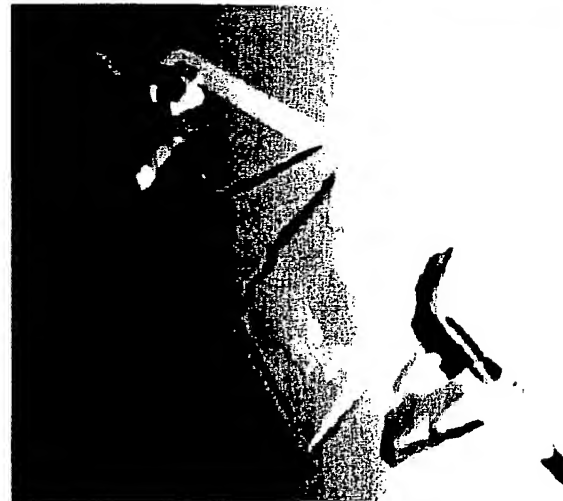


FIG. 5E

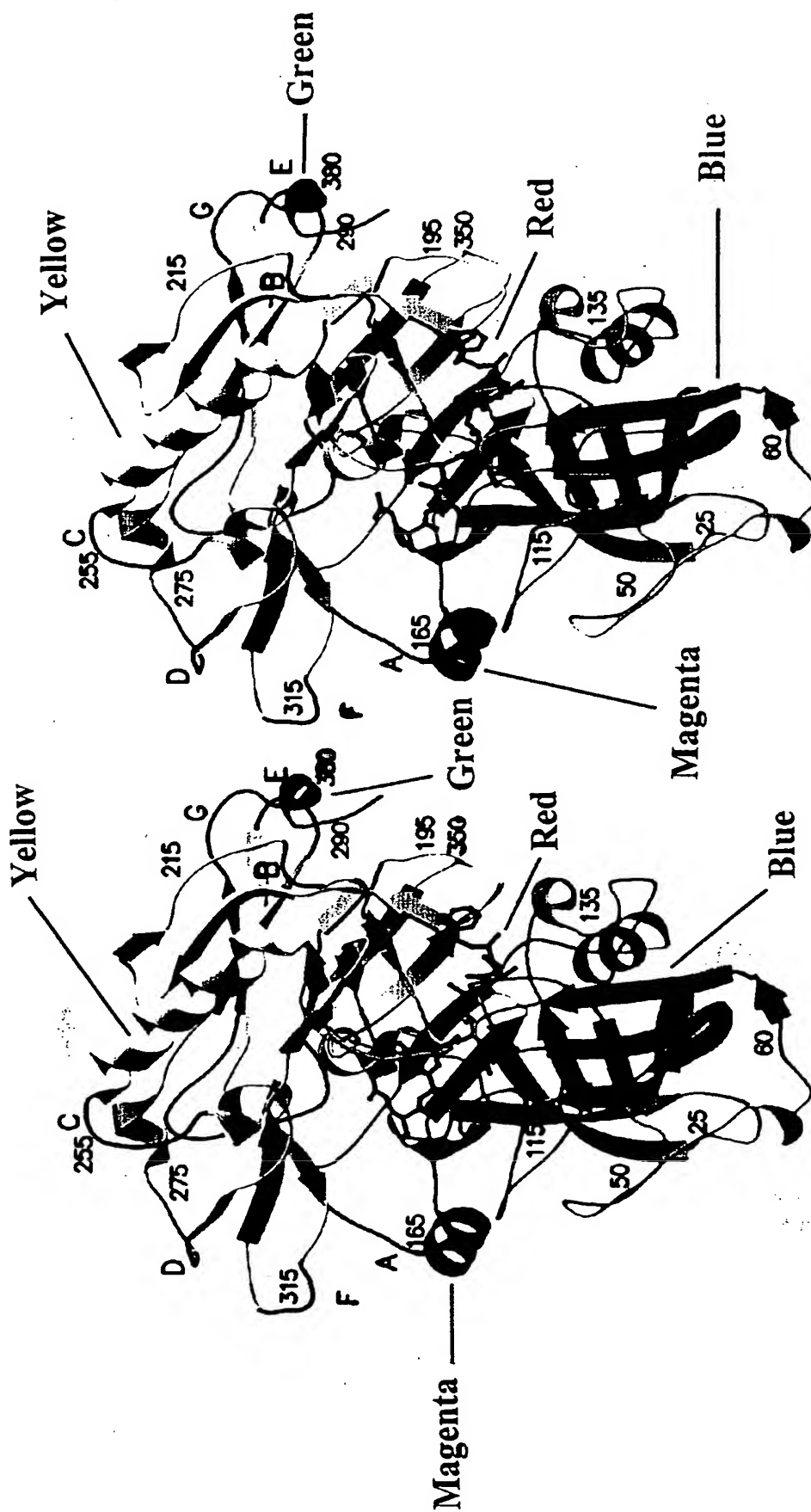


FIG. 6

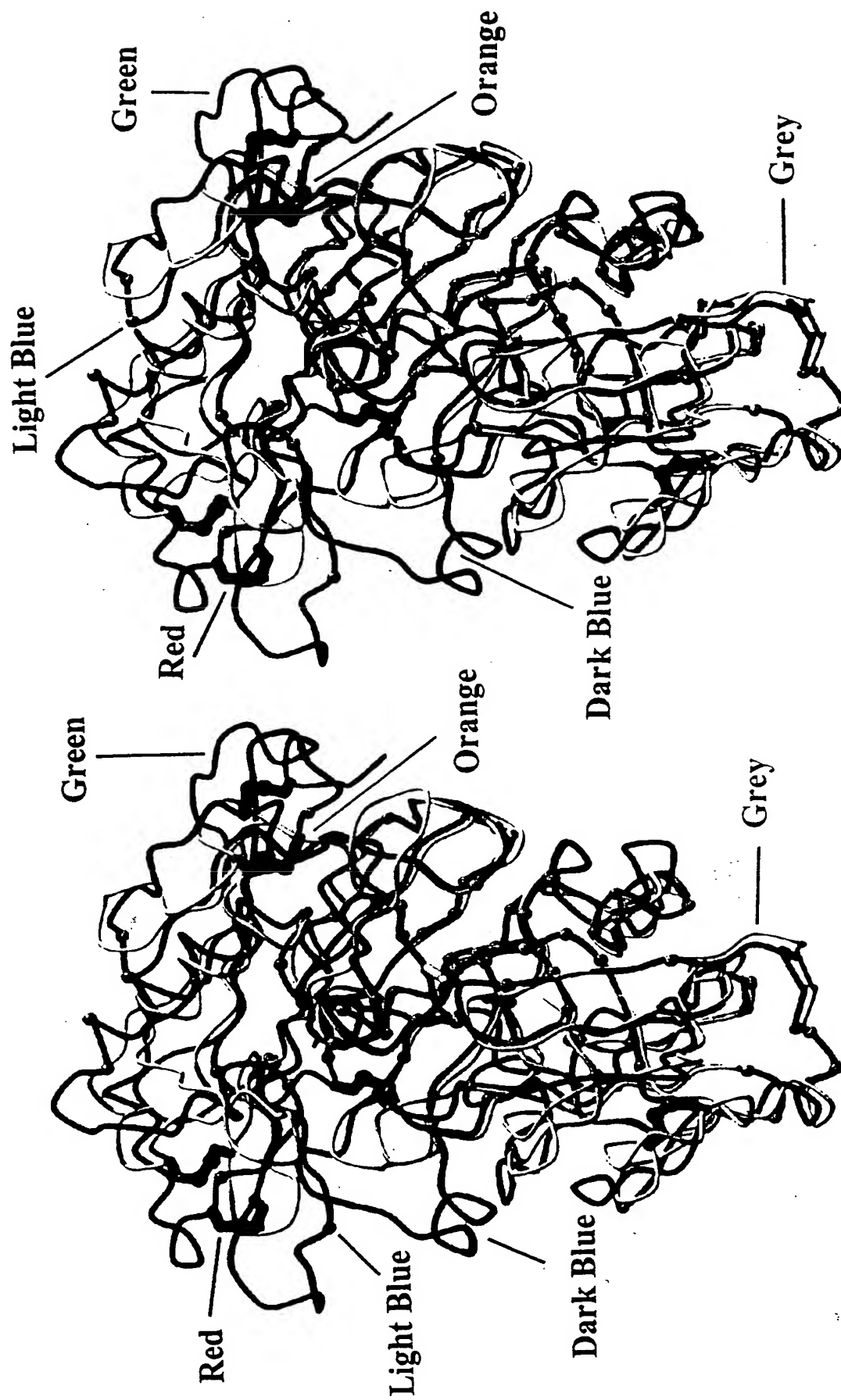


FIG. 7

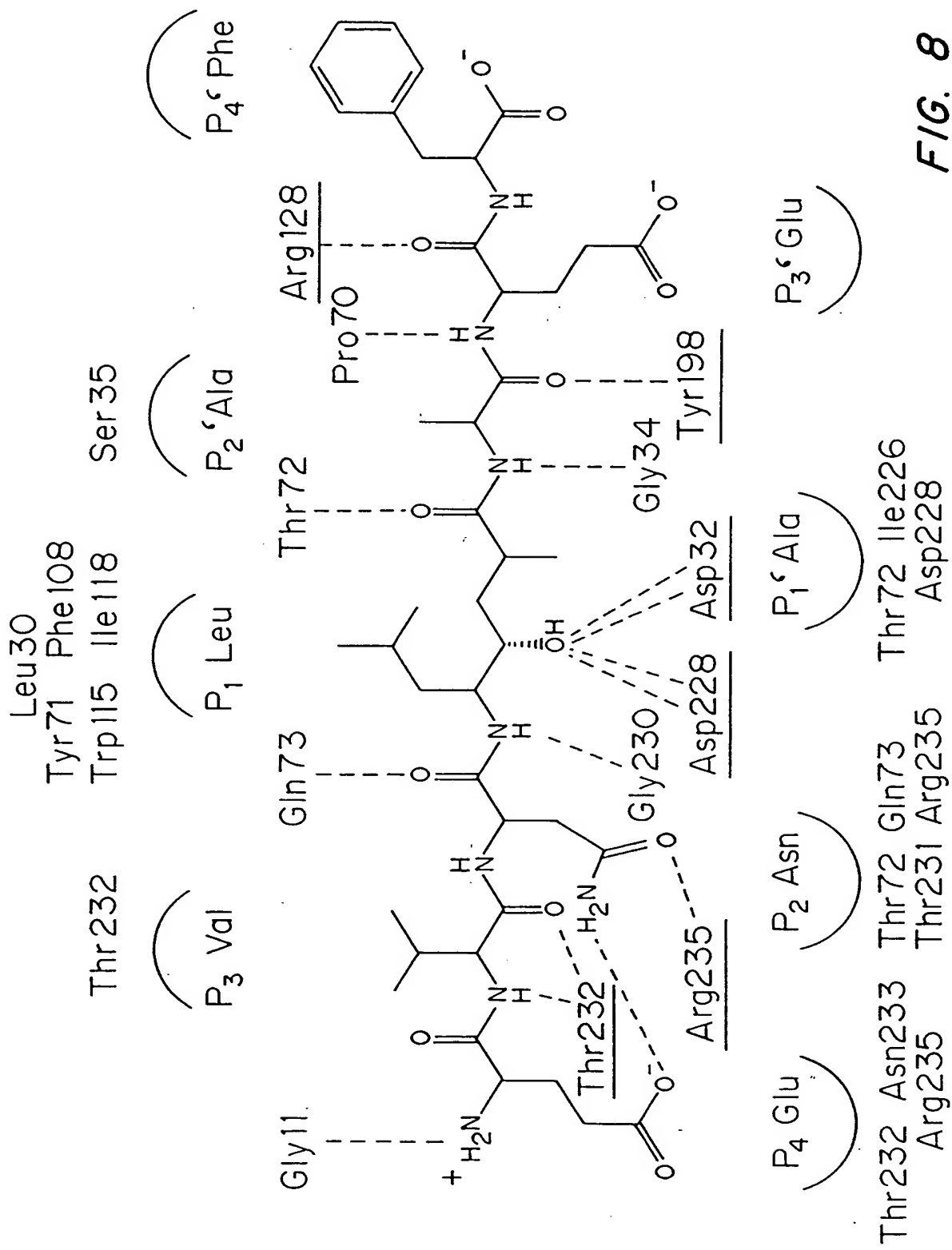


FIG. 8

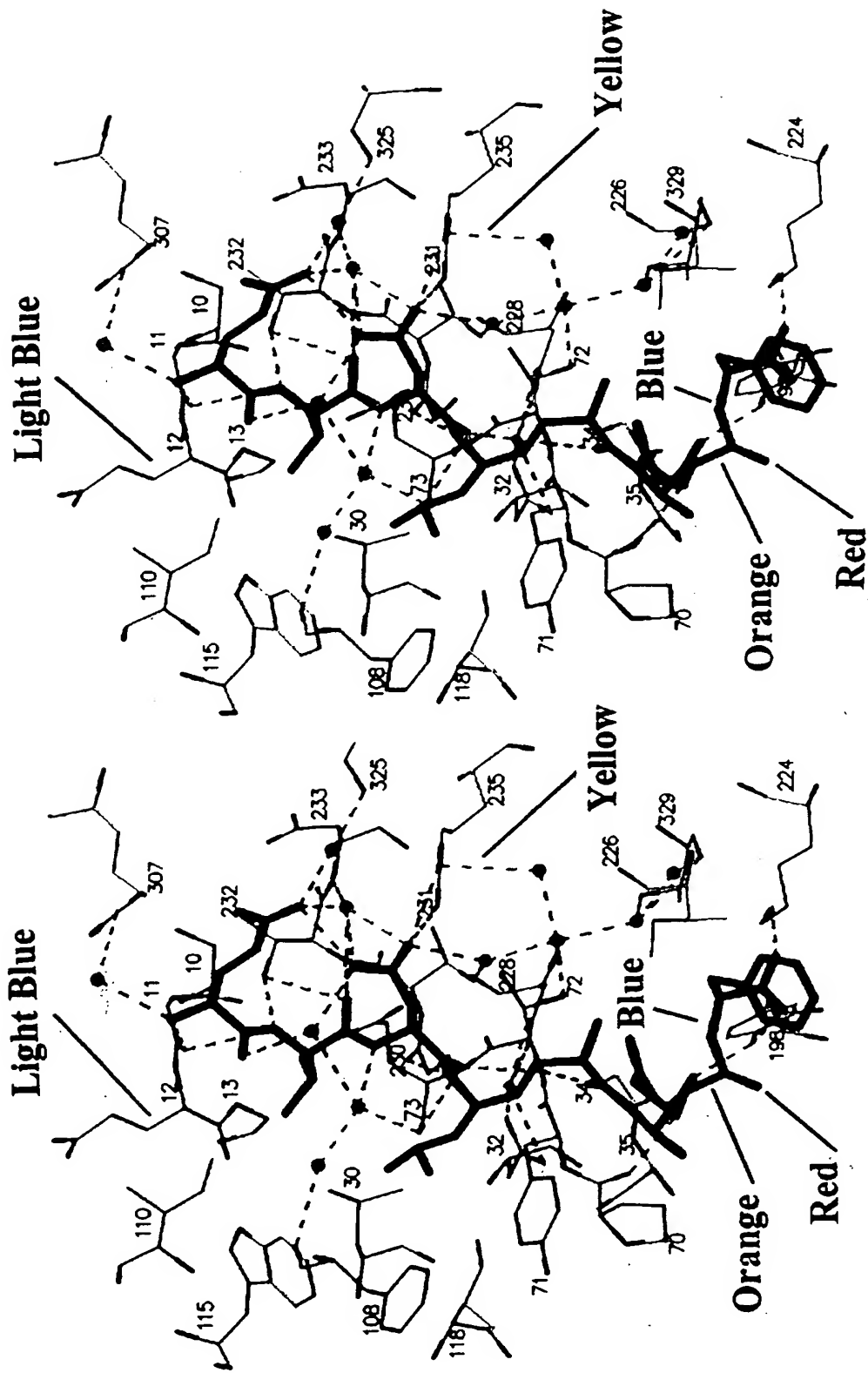


FIG. 9

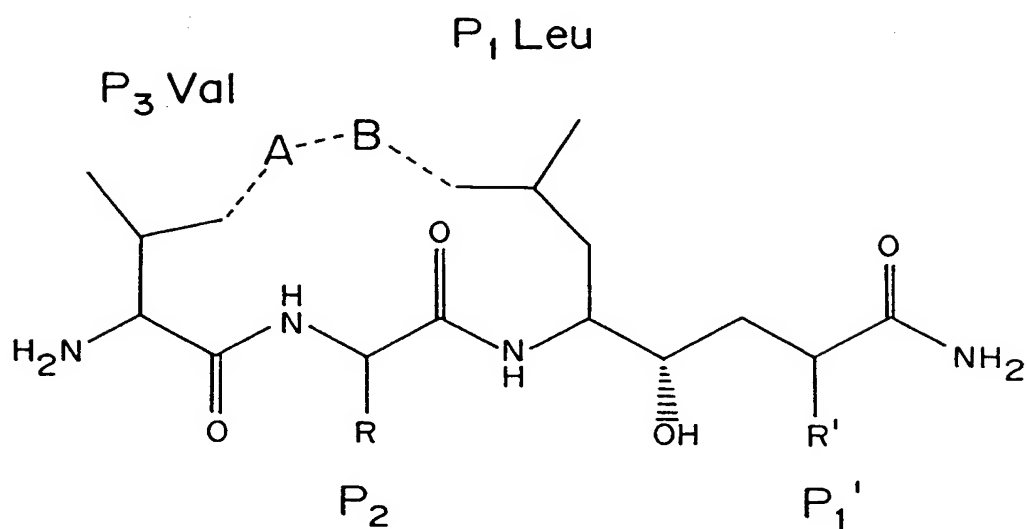


FIG. 10

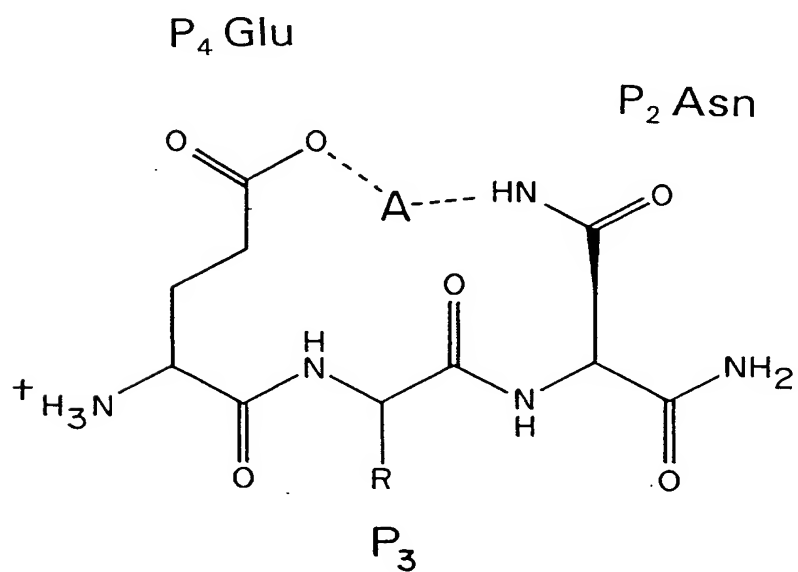


FIG. 11

